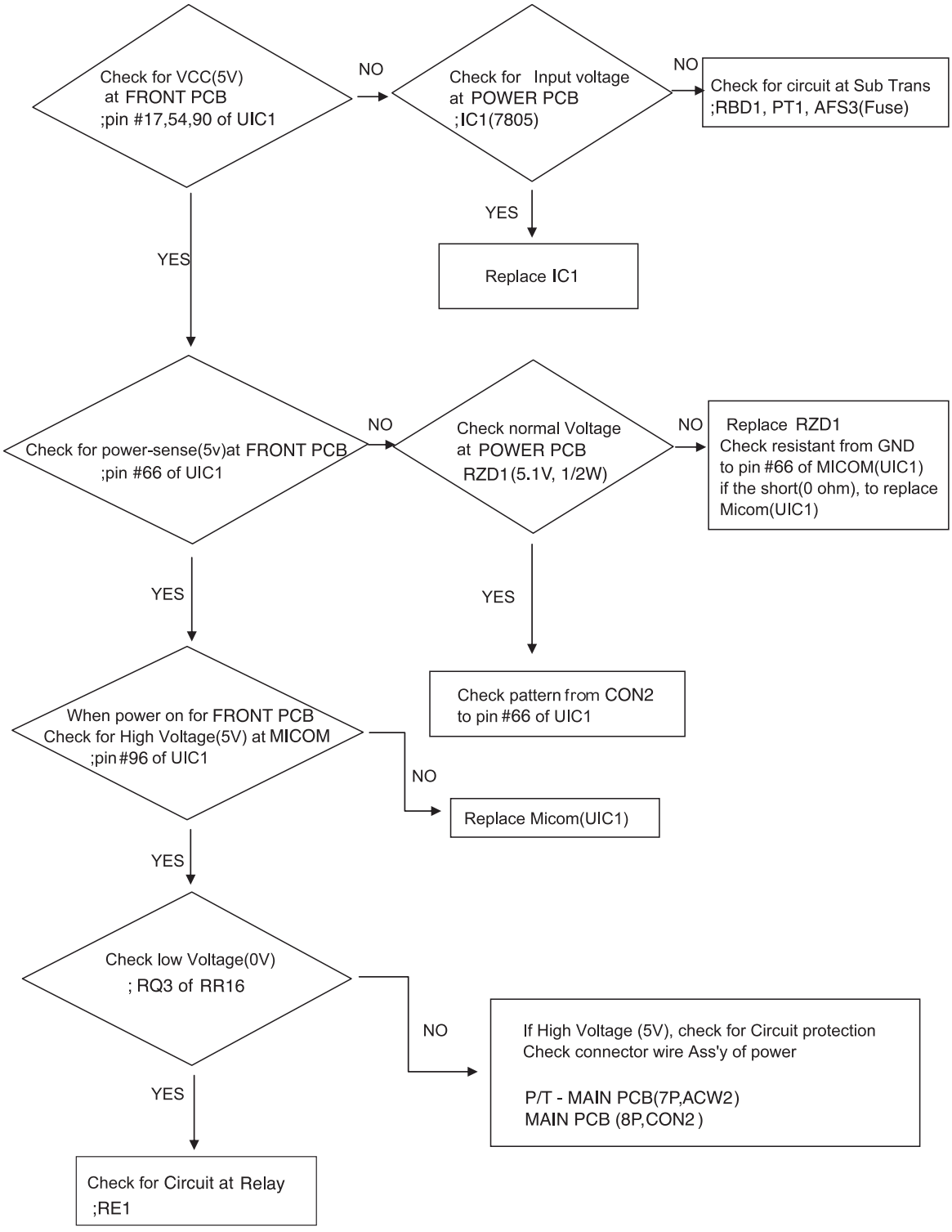
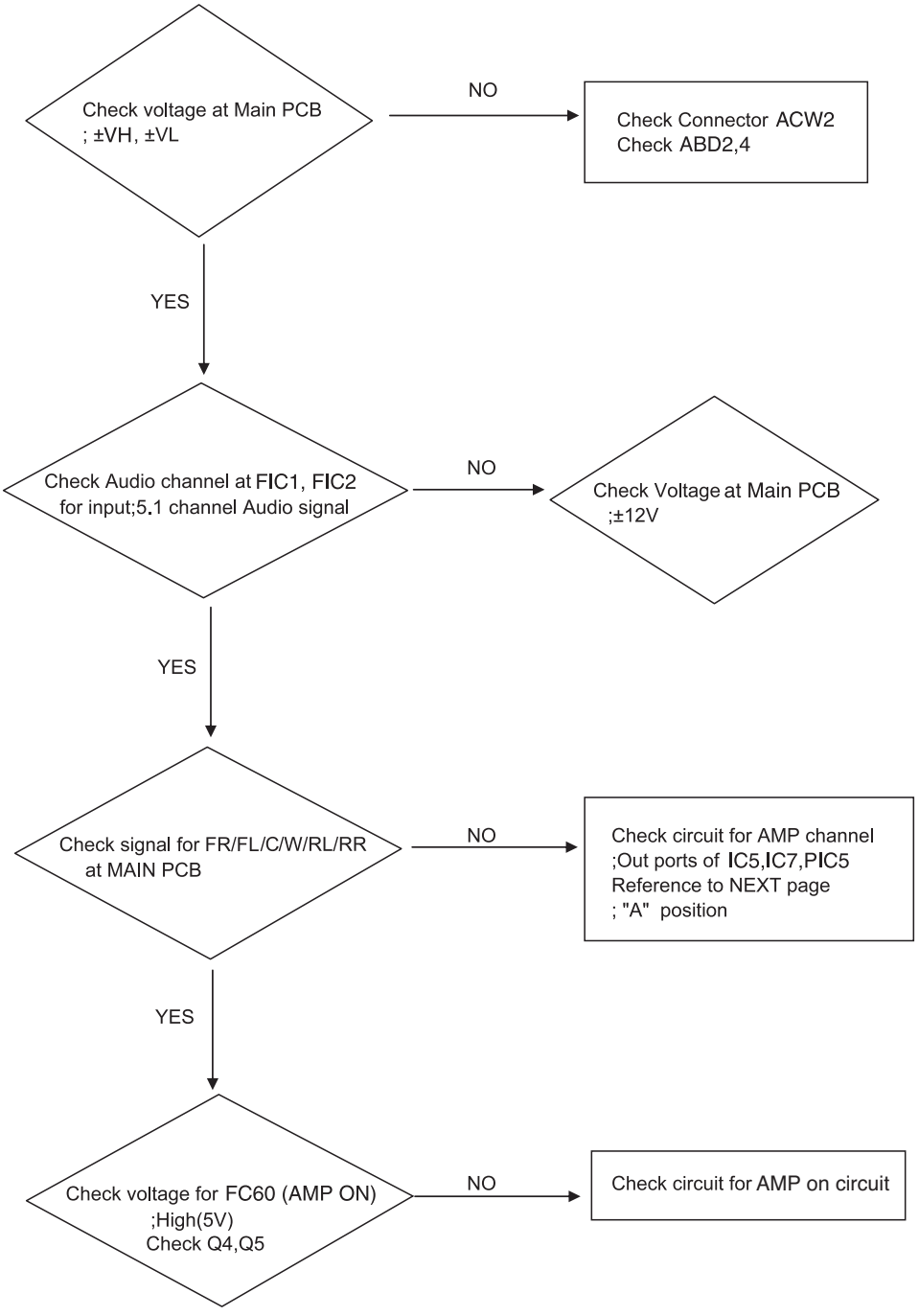
8. TroubleShooting

8-1 Main

1. POWER

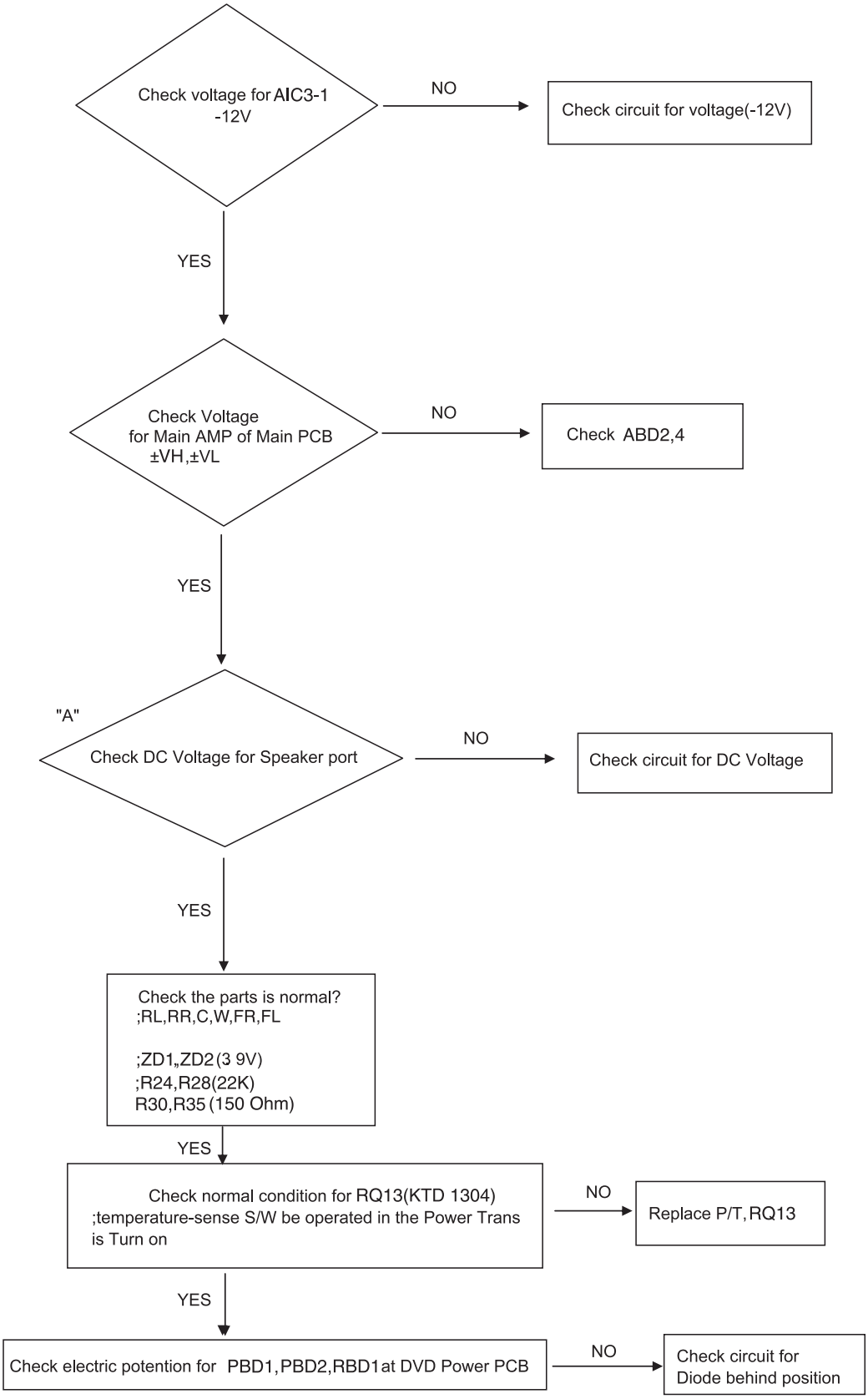


2. OUTPUT

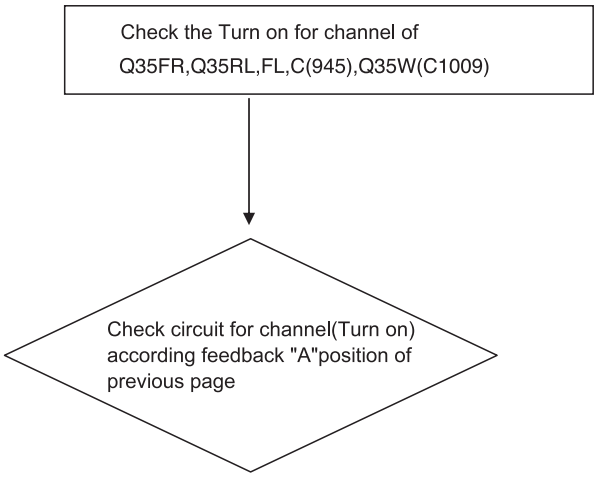

Check voltage at Main PCB
; ±VH, ±VL
NO
Check Connector ACW2
Check ABD2,4
YES
Check Audio channel at FIC1, FIC2
for input;5.1 channel Audio signal
NO
Check Voltage at Main PCB
;±12V
YES
Check signal for FR/FL/C/W/RL/RR
at MAIN PCB
NO
Check circuit for AMP channel
;Out ports of IC5,IC7,PIC5
Reference to NEXT page
; "A" position
YES
Check voltage for FC60 (AMP ON)
;High(5V)
Check Q4,Q5
NO
Check circuit for AMP on circuit

3. Protection(When High Voltage at Protectiion port)

3-1 In this case "LOW" for, Base port of Q12(R2003 TR) at MAIN PCB



3-2 In this case "LOW" for Base of RQ8(A812) at Main PCB

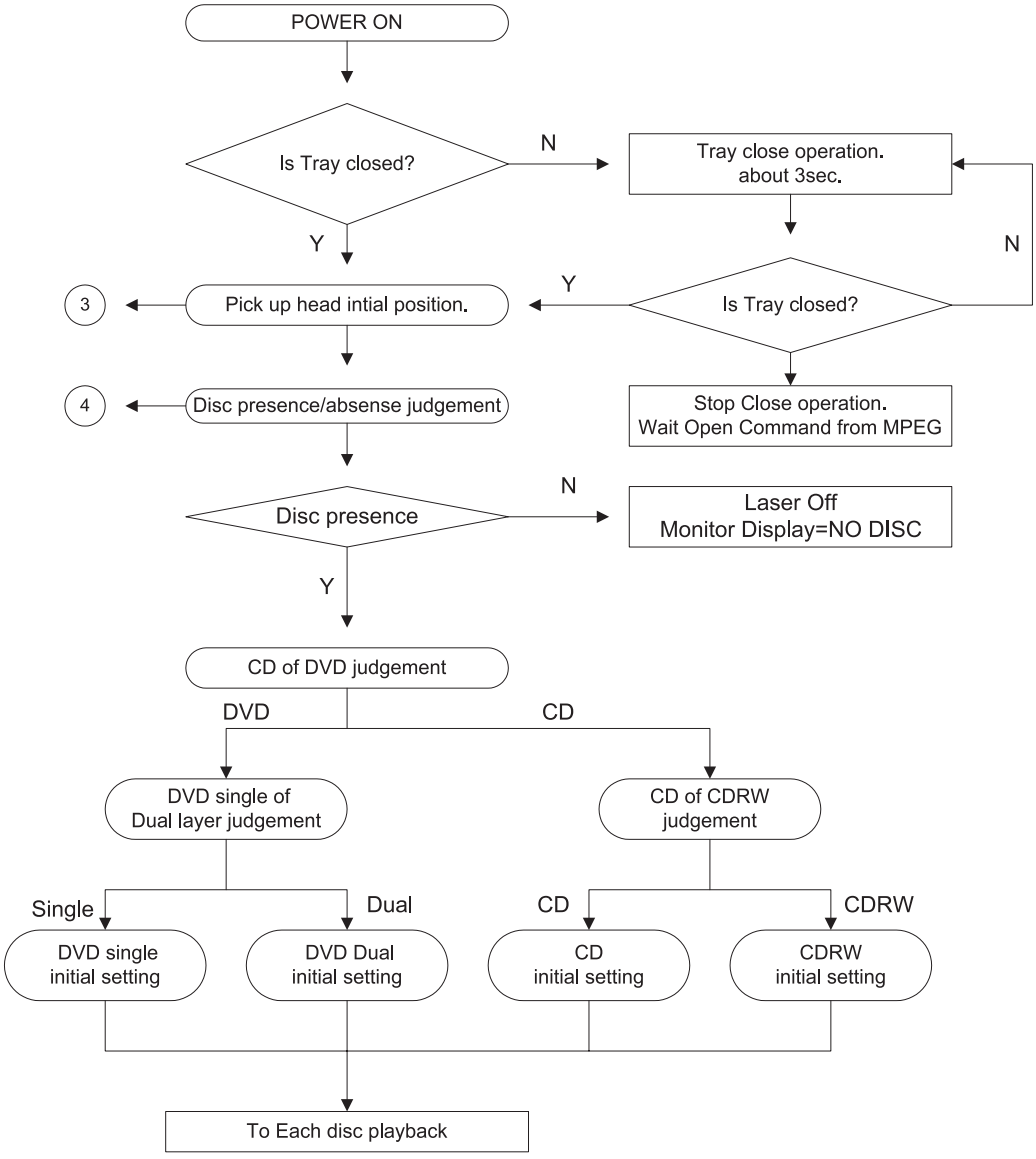


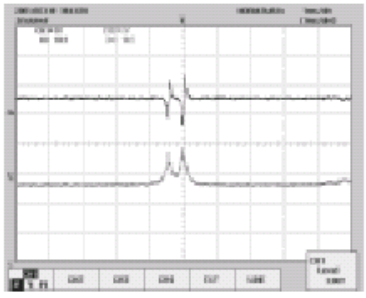
3-3 Check the Connector Wire Ass'y Connectin of each PCB

;DVD MECHA - Main PCB (8P,CON2)

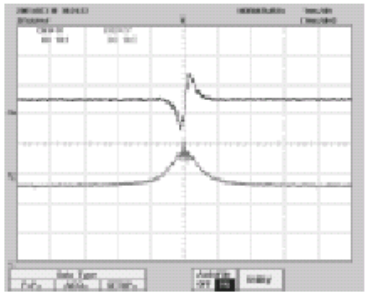
;POWER TRANS - Main PCB (ACW2)

1. Initial operation after power ON



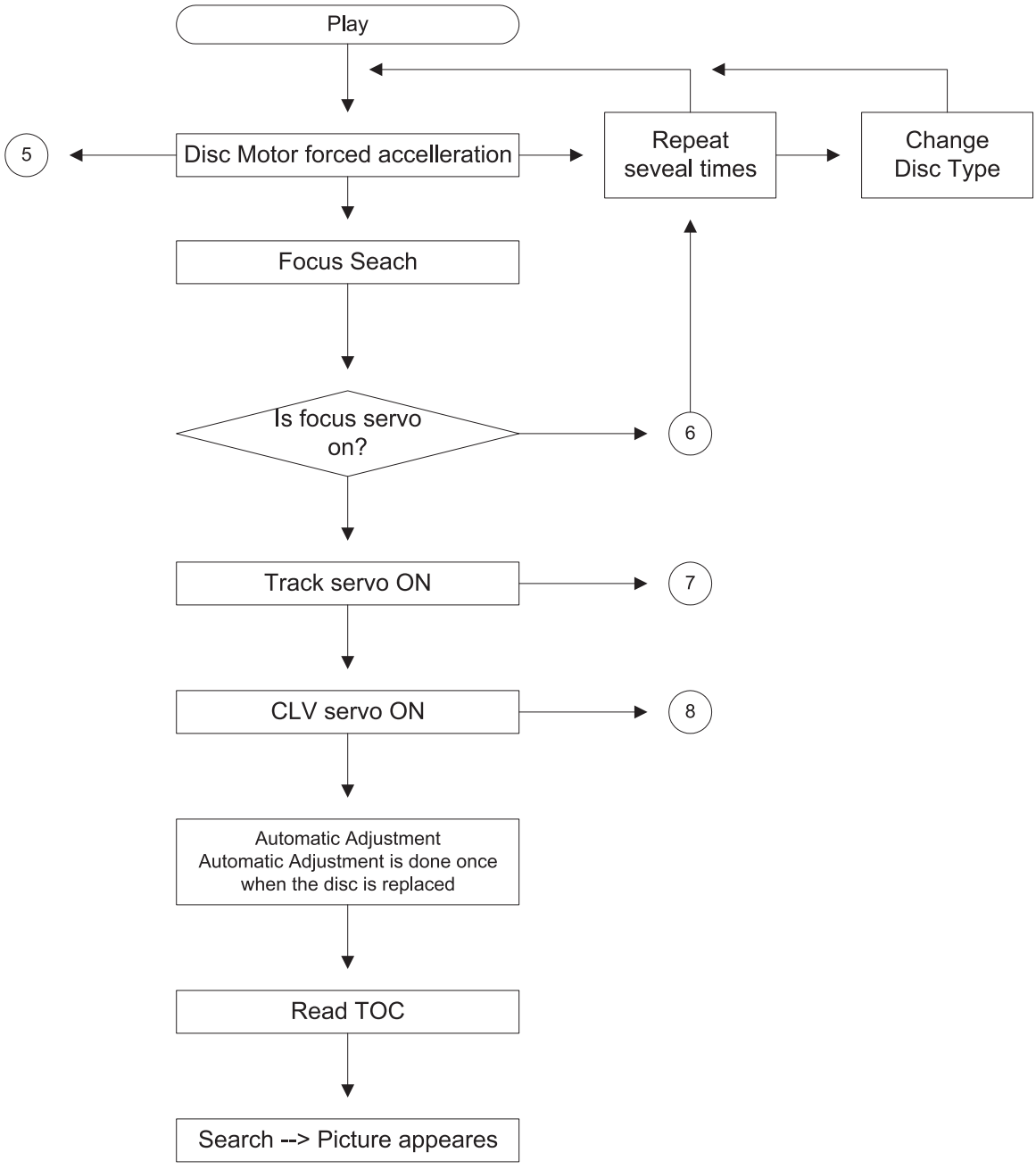


(DVD Dual)



(DVD Single)

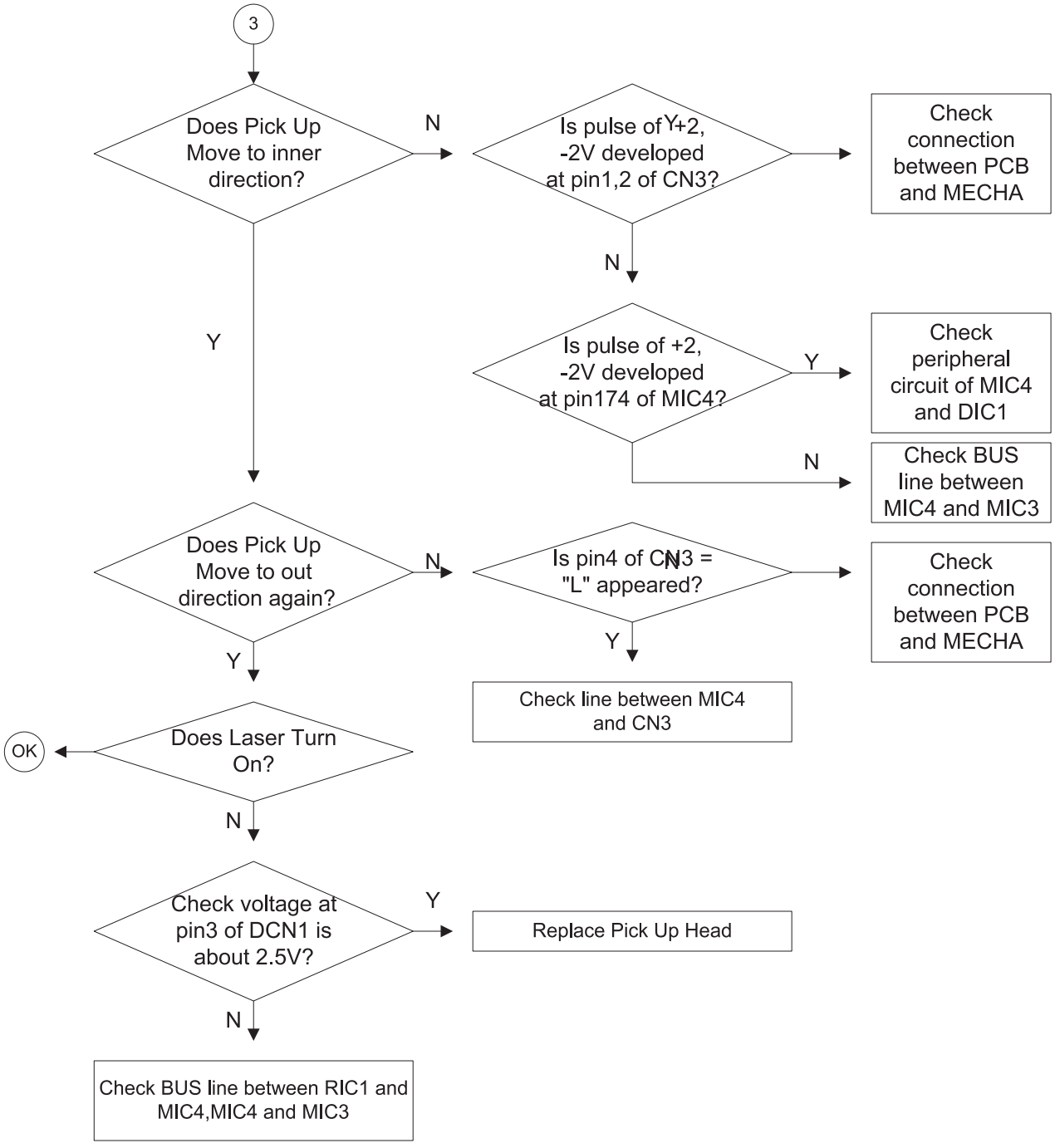
2. Play operation



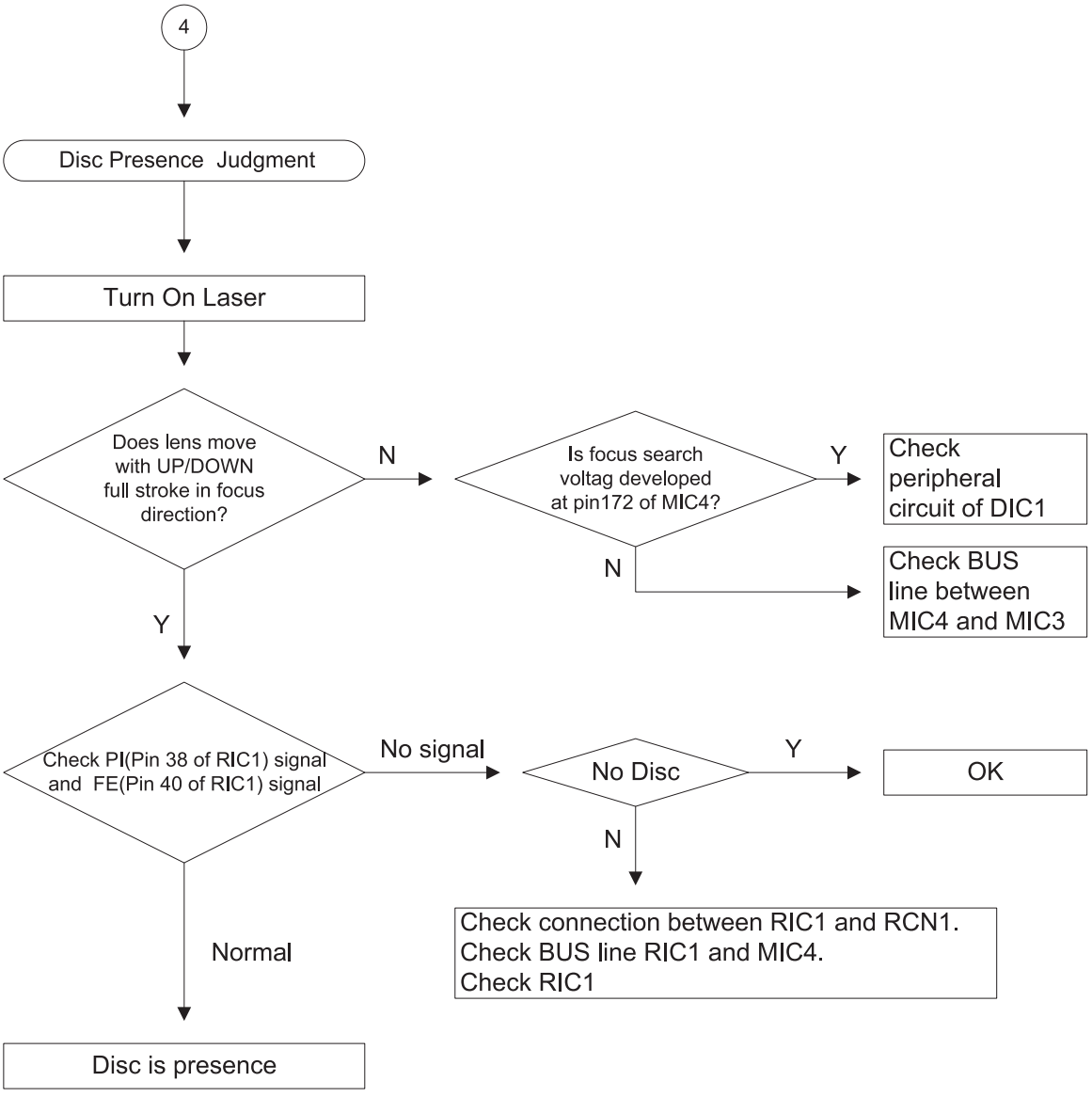
3. PickUp Head Initial Postion

PickUp Head Initial Postion

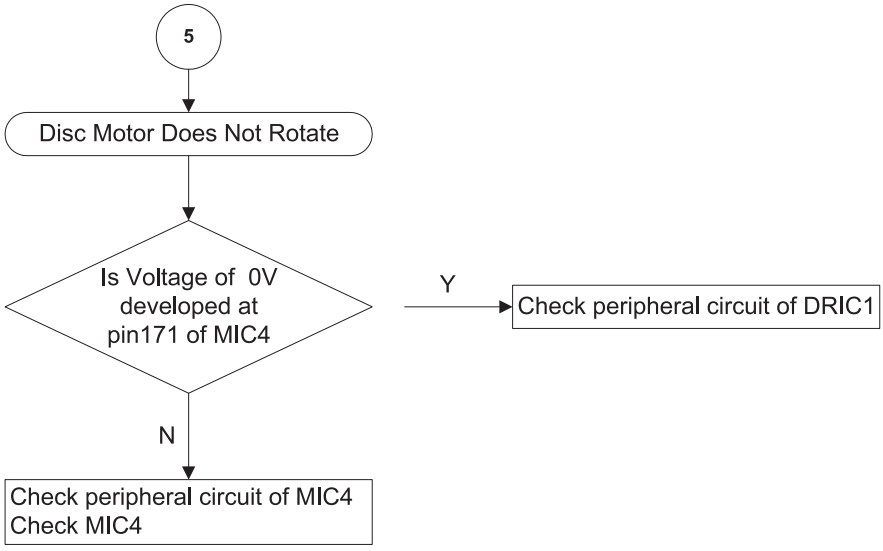
1. Move Pick Up Head to inner diretion until pin4 of CN3="L"
2. If pin4 of CN3="L", then move Pick Up Head to outer diretion for a short time.
3. Ture On the Laser of Pick Up Head to judge that disc is presence or not.


3
Does Pick Up Move to inner direction?
N
Is pulse of +2, -2V developed at pin1,2 of CN3?
Y
Check connection between PCB and MECHA
N
Y
Is pulse of +2, -2V developed at pin174 of MIC4?
Y
Check peripheral circuit of MIC4 and DIC1
N
Check BUS line between MIC4 and MIC3
Does Pick Up Move to out direction again?
N
Is pin4 of CN3 = "L" appeared?
N
Check connection between PCB and MECHA
Y
Y
Check line between MIC4 and CN3
Does Laser Turn On?
OK
N
Check voltage at pin3 of DCN1 is about 2.5V?
Y
Replace Pick Up Head
N
Check BUS line between RIC1 and MIC4,MIC4 and MIC3

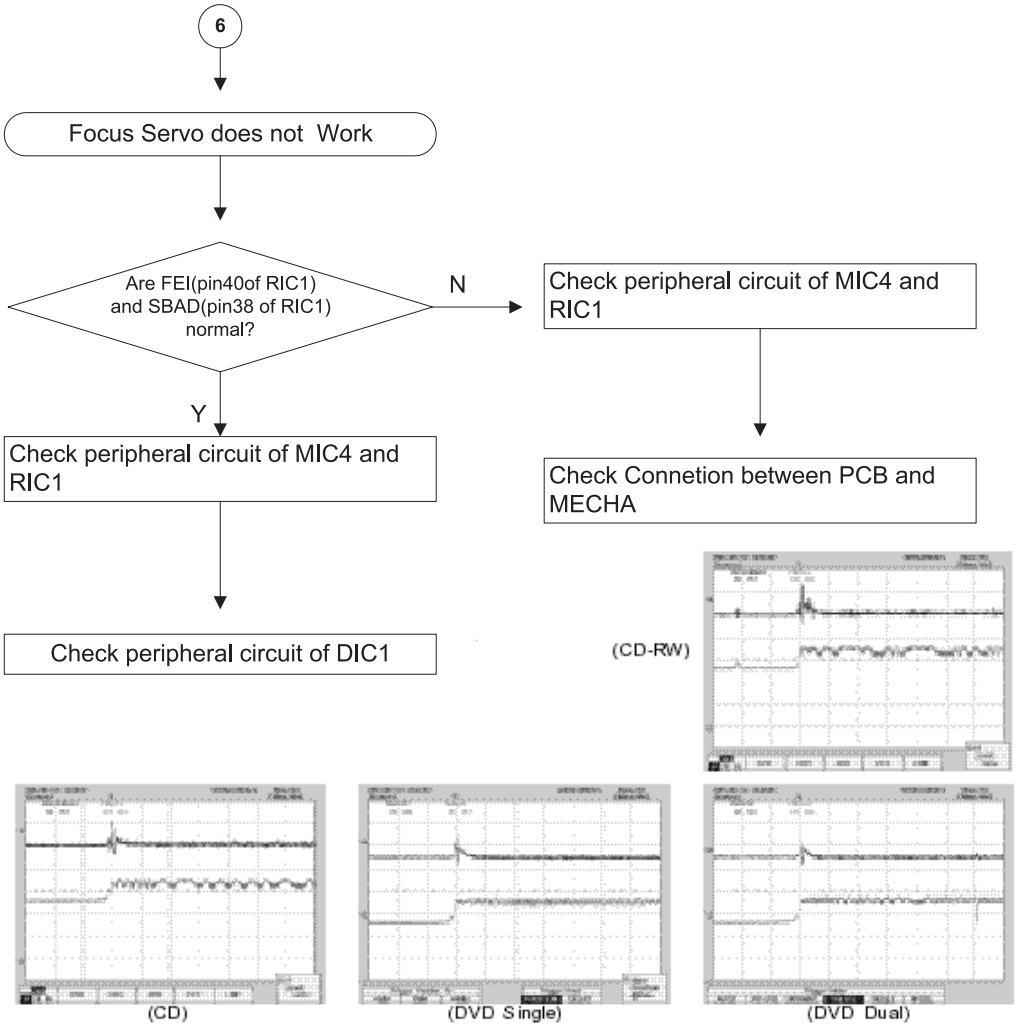
4. Disc Presence/Absense Judgment



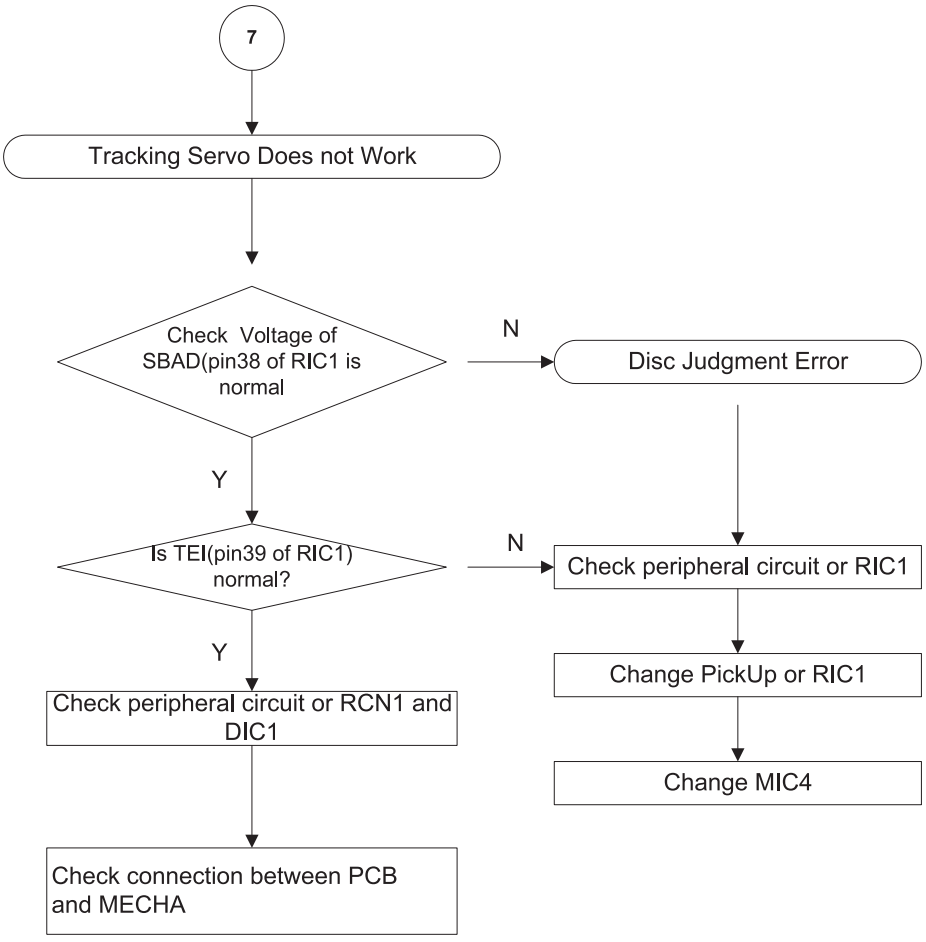
5. Disc Motor Does Not Rotate

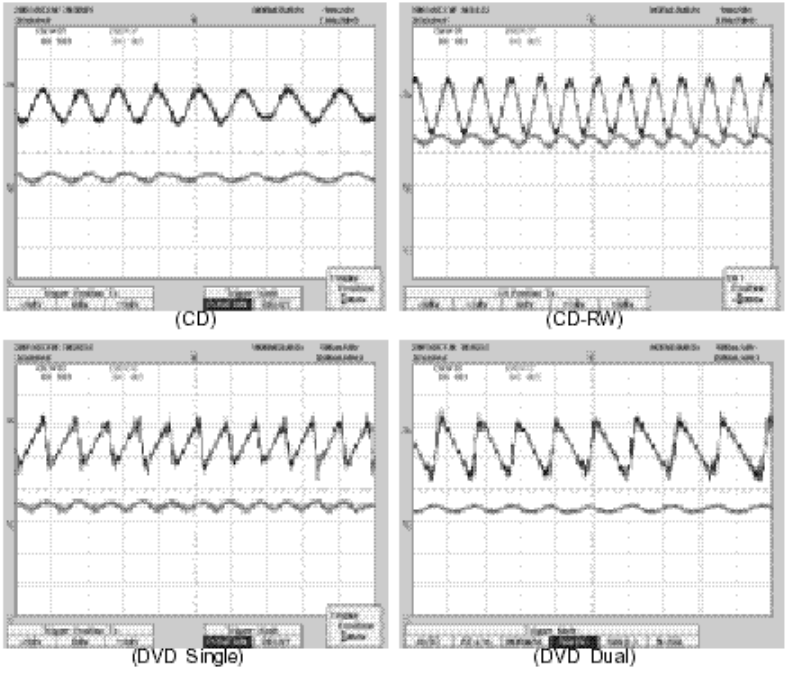


6. Focus Servo does not Work

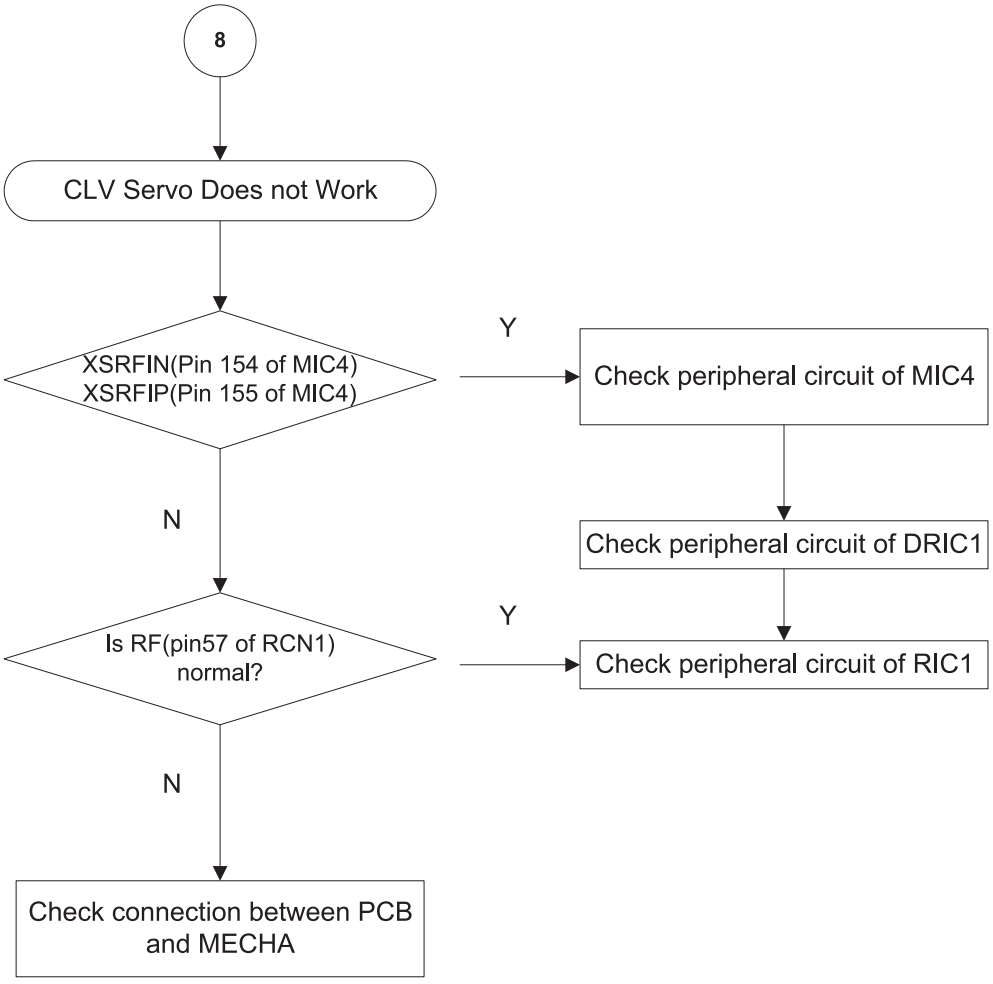


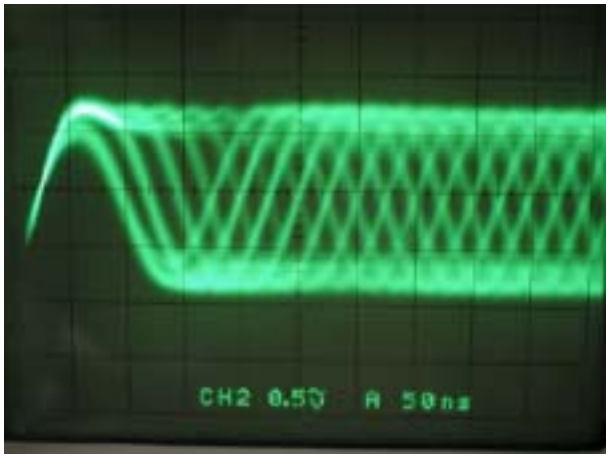
7. Tracking Servo Does Not Work





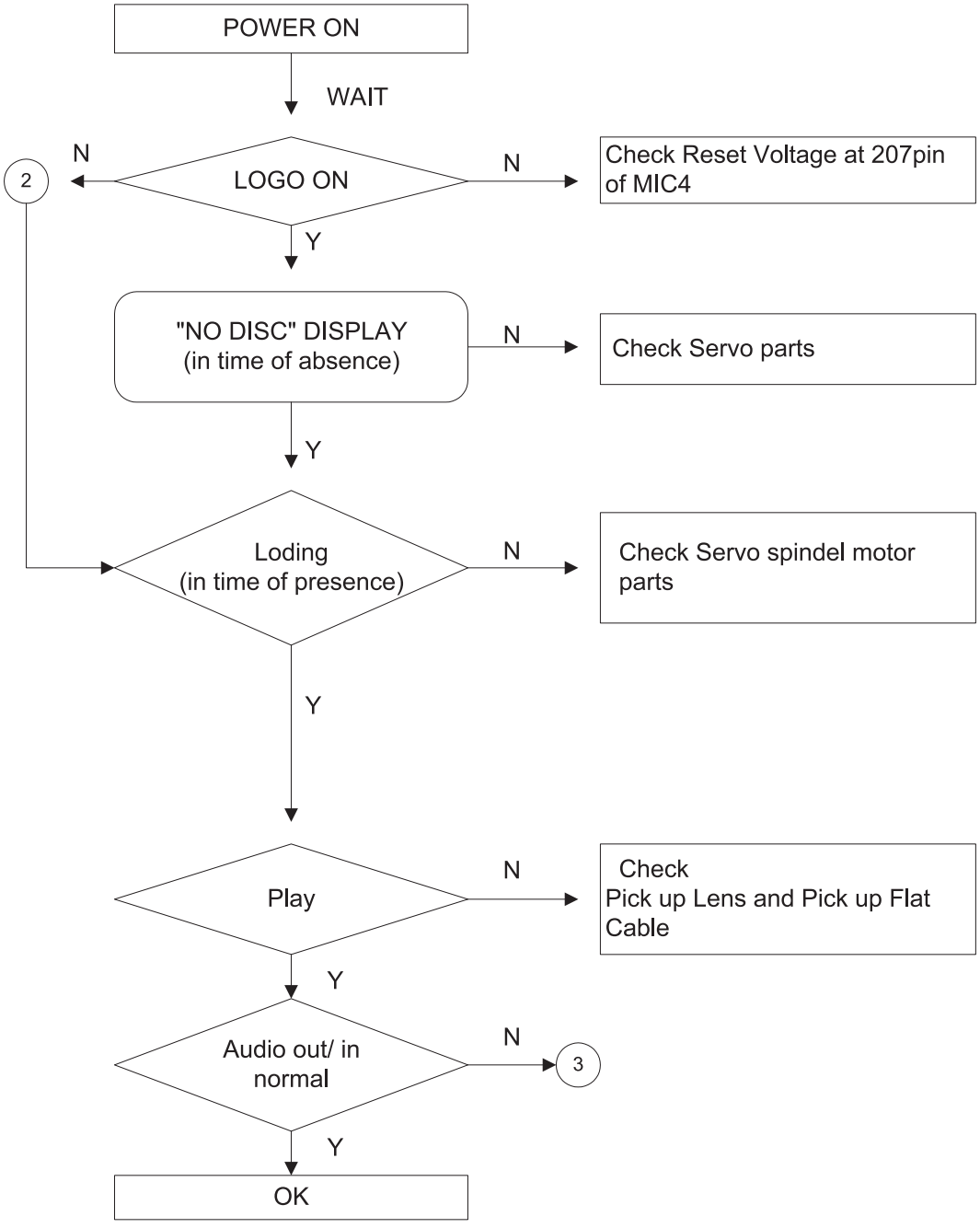
8. CLV Servo Does Not Work



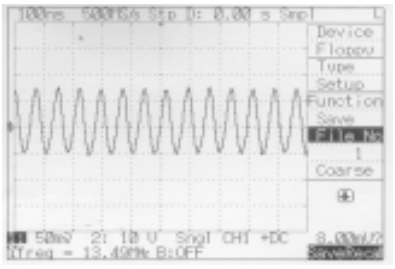


RF Signal

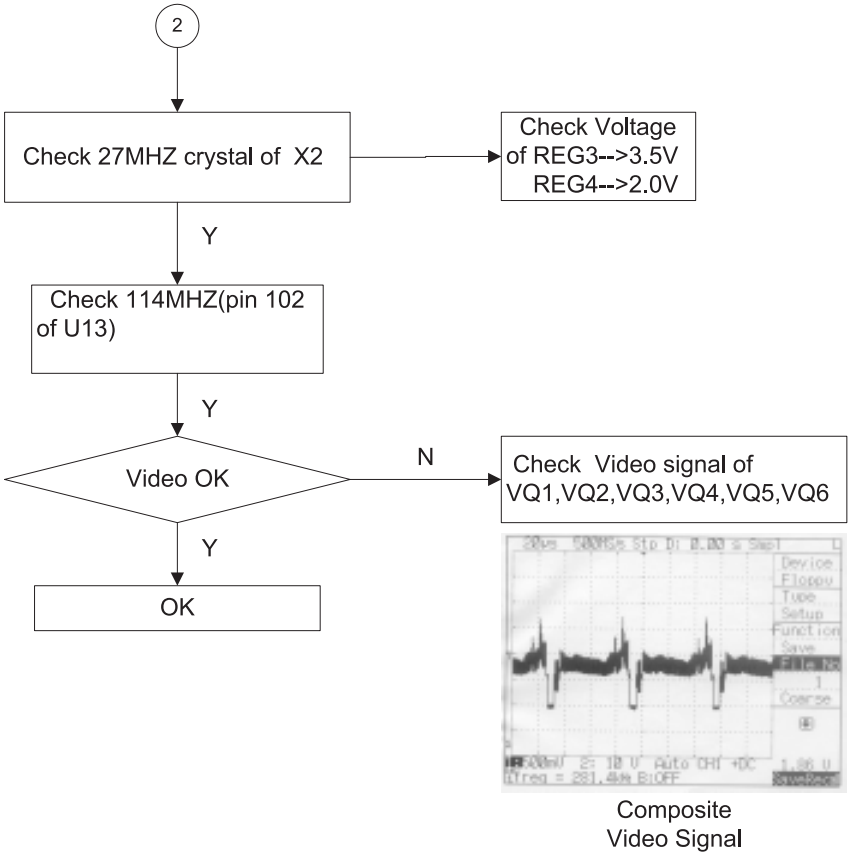
1. Initial operation after NO

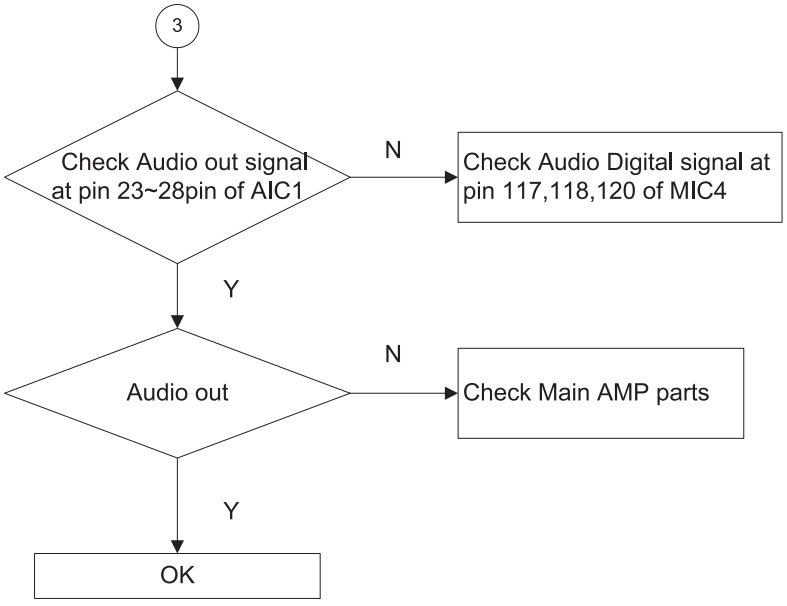


2. Logo operation



27MHZ



Composite
Video Signal

3.Audio operation